

|                               |                         |  |   |  |
|-------------------------------|-------------------------|--|---|--|
| <b><i>Index of Claims</i></b> | Application/Control No. |  | Applicant(s)/Patent Under Reexamination |  |
|                               | 10632392                |  | MORAES ET AL.                           |  |
|                               | Examiner                |  | Art Unit                                |  |
|                               | Neil R Kardos           |  | 3623                                    |  |

|   |          |   |            |   |              |   |          |
|---|----------|---|------------|---|--------------|---|----------|
| ✓ | Rejected | - | Cancelled  | N | Non-Elected  | A | Appeal   |
| = | Allowed  | ÷ | Restricted | I | Interference | O | Objected |

| CLAIM |          | DATE       |            |            |            |  |
|-------|----------|------------|------------|------------|------------|--|
| Final | Original | 05/30/2008 | 06/26/2009 | 01/16/2010 | 07/21/2010 |  |
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| 2     | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 3     | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 4     | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 5     | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 6     | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 7     | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 8     | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 9     | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 10    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 11    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 12    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 13    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 14    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 15    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 16    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 17    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 18    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 19    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 20    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 21    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 22    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 23    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 24    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 25    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 26    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 27    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 28    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 29    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 30    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 31    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 32    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 33    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 34    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 35    | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 36    | ✓        | ✓          | ✓          | ✓          | ✓          |  |

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| Neil R Kardos                 |  | 3623                    |  |   |  |

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|       | 38       | ✓          | ✓          | ✓          | ✓          |  |
|       | 39       | ✓          | ✓          | ✓          | ✓          |  |
|       | 40       | ✓          | ✓          | ✓          | ✓          |  |
|       | 41       | ✓          | ✓          | ✓          | ✓          |  |
|       | 42       | ✓          | ✓          | ✓          | ✓          |  |
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|       | 44       | ✓          | ✓          | ✓          | ✓          |  |
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|       | 49       | ✓          | ✓          | ✓          | ✓          |  |
|       | 50       | ✓          | ✓          | ✓          | ✓          |  |
|       | 51       | ✓          | ✓          | ✓          | ✓          |  |
|       | 52       | ✓          | ✓          | ✓          | ✓          |  |
|       | 53       | ✓          | ✓          | ✓          | ✓          |  |
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|       | 55       | ✓          | ✓          | ✓          | ✓          |  |
|       | 56       | ✓          | ✓          | ✓          | ✓          |  |
|       | 57       | ✓          | ✓          | ✓          | ✓          |  |
|       | 58       | ✓          | ✓          | ✓          | ✓          |  |
|       | 59       | ✓          | ✓          | ✓          | ✓          |  |
|       | 60       | ✓          | ✓          | ✓          | ✓          |  |
|       | 61       | ✓          | ✓          | ✓          | ✓          |  |
|       | 62       | ✓          | ✓          | ✓          | ✓          |  |
|       | 63       | ✓          | ✓          | ✓          | ✓          |  |
|       | 64       | ✓          | ✓          | ✓          | ✓          |  |
|       | 65       | ✓          | ✓          | ✓          | ✓          |  |
|       | 66       | ✓          | ✓          | ✓          | ✓          |  |
|       | 67       | ✓          | ✓          | ✓          | ✓          |  |
|       | 68       | ✓          | ✓          | ✓          | ✓          |  |
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|       | 70       | ✓          | ✓          | ✓          | ✓          |  |
|       | 71       | ✓          | ✓          | ✓          | ✓          |  |
|       | 72       | ✓          | ✓          | ✓          | ✓          |  |

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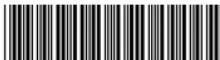
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|       | 73       | ✓          | ✓          | ✓          | ✓          |  |
|       | 74       | ✓          | ✓          | ✓          | ✓          |  |
|       | 75       | ✓          | ✓          | ✓          | ✓          |  |
|       | 76       | ✓          | ✓          | ✓          | ✓          |  |
|       | 77       | ✓          | ✓          | ✓          | ✓          |  |
|       | 78       | ✓          | ✓          | ✓          | ✓          |  |
|       | 79       | ✓          | ✓          | ✓          | ✓          |  |
|       | 80       | ✓          | ✓          | ✓          | ✓          |  |
|       | 81       | ✓          | ✓          | ✓          | ✓          |  |
|       | 82       | ✓          | ✓          | ✓          | ✓          |  |
|       | 83       | ✓          | ✓          | ✓          | ✓          |  |
|       | 84       | ✓          | ✓          | ✓          | ✓          |  |
|       | 85       | ✓          | ✓          | ✓          | ✓          |  |
|       | 86       | ✓          | ✓          | ✓          | ✓          |  |
|       | 87       | ✓          | ✓          | ✓          | ✓          |  |
|       | 88       | ✓          | ✓          | ✓          | ✓          |  |
|       | 89       | ✓          | ✓          | ✓          | ✓          |  |
|       | 90       | ✓          | ✓          | ✓          | ✓          |  |
|       | 91       | ✓          | ✓          | ✓          | ✓          |  |
|       | 92       | ✓          | ✓          | ✓          | ✓          |  |
|       | 93       | ✓          | ✓          | ✓          | ✓          |  |
|       | 94       | ✓          | ✓          | ✓          | ✓          |  |
|       | 95       | ✓          | ✓          | ✓          | ✓          |  |
|       | 96       | ✓          | ✓          | ✓          | ✓          |  |
|       | 97       | ✓          | ✓          | ✓          | ✓          |  |
|       | 98       | ✓          | ✓          | ✓          | ✓          |  |
|       | 99       | ✓          | ✓          | ✓          | ✓          |  |
|       | 100      | ✓          | ✓          | ✓          | ✓          |  |
|       | 101      | ✓          | ✓          | ✓          | ✓          |  |
|       | 102      | ✓          | ✓          | ✓          | ✓          |  |
|       | 103      | ✓          | ✓          | ✓          | ✓          |  |
|       | 104      | ✓          | ✓          | ✓          | ✓          |  |
|       | 105      | ✓          | ✓          | ✓          | ✓          |  |
|       | 106      | ✓          | ✓          | ✓          | ✓          |  |
|       | 107      | ✓          | ✓          | ✓          | ✓          |  |
|       | 108      | ✓          | ✓          | ✓          | ✓          |  |

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|       | 110      | ✓          | ✓          | ✓          | ✓          |  |
|       | 111      | ✓          | ✓          | ✓          | ✓          |  |
|       | 112      | ✓          | ✓          | ✓          | ✓          |  |
|       | 113      | ✓          | ✓          | ✓          | ✓          |  |
|       | 114      | ✓          | ✓          | ✓          | ✓          |  |
|       | 115      | ✓          | ✓          | ✓          | ✓          |  |
|       | 116      | ✓          | ✓          | ✓          | ✓          |  |
|       | 117      | ✓          | ✓          | ✓          | ✓          |  |
|       | 118      | ✓          | ✓          | ✓          | ✓          |  |
|       | 119      | ✓          | ✓          | ✓          | ✓          |  |
|       | 120      | ✓          | ✓          | ✓          | ✓          |  |
|       | 121      | ✓          | ✓          | ✓          | ✓          |  |
|       | 122      | ✓          | ✓          | ✓          | ✓          |  |
|       | 123      | ✓          | ✓          | ✓          | ✓          |  |
|       | 124      | ✓          | ✓          | ✓          | ✓          |  |
|       | 125      | ✓          | ✓          | ✓          | ✓          |  |
|       | 126      | ✓          | ✓          | ✓          | ✓          |  |
|       | 127      | ✓          | ✓          | ✓          | ✓          |  |
|       | 128      | ✓          | ✓          | ✓          | ✓          |  |
|       | 129      | ✓          | ✓          | ✓          | ✓          |  |
|       | 130      | ✓          | ✓          | ✓          | ✓          |  |
|       | 131      | ✓          | ✓          | ✓          | ✓          |  |
|       | 132      | ✓          | ✓          | ✓          | ✓          |  |
|       | 133      | ✓          | ✓          | ✓          | ✓          |  |
|       | 134      | ✓          | ✓          | ✓          | ✓          |  |
|       | 135      | ✓          | ✓          | ✓          | ✓          |  |
|       | 136      | ✓          | ✓          | ✓          | ✓          |  |
|       | 137      | ✓          | ✓          | ✓          | ✓          |  |
|       | 138      | ✓          | ✓          | ✓          | ✓          |  |
|       | 139      | ✓          | ✓          | ✓          | ✓          |  |
|       | 140      | ✓          | ✓          | ✓          | ✓          |  |
|       | 141      | ✓          | ✓          | ✓          | ✓          |  |
|       | 142      | ✓          | ✓          | ✓          | ✓          |  |
|       | 143      | ✓          | ✓          | ✓          | ✓          |  |
|       | 144      | ✓          | ✓          | ✓          | ✓          |  |

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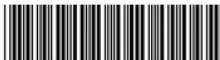
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| Final | Original | 05/30/2008 | 06/26/2009 | 01/16/2010 | 07/21/2010 |  |  |
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| 146   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 147   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 148   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 149   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 150   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 151   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 152   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 153   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 154   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 155   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 156   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 157   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 158   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 159   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 160   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 161   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 162   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 163   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 164   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
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| 167   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
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| 171   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 172   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
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| 174   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 175   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 176   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 177   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 178   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 179   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |
| 180   | ✓        | ✓          | ✓          | ✓          | ✓          |  |  |

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| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            | <input type="checkbox"/> CPA | <input type="checkbox"/> T.D. | <input type="checkbox"/> R.1.47 |
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| CLAIM  |          | DATE       |            |            |                              |                               |                                 |
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|  | 181      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 182      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 183      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 184      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 185      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 186      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 187      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 188      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 189      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 190      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 191      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 192      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 193      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 194      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 195      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 196      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 197      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 198      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 199      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 200      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 201      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 202      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 203      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 204      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 205      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 206      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 207      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 208      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 209      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 210      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 211      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 212      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 213      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 214      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 215      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |
|  | 216      | ✓          | ✓          | ✓          | ✓                            |                               |                                 |

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| 241   | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 242   | ✓        | ✓          | ✓          | ✓          | ✓          |  |
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| 244   | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 245   | ✓        | ✓          | ✓          | ✓          | ✓          |  |
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| 247   | ✓        | ✓          | ✓          | ✓          | ✓          |  |
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| 249   | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 250   | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 251   | ✓        | ✓          | ✓          | ✓          | ✓          |  |
| 252   | ✓        | ✓          | ✓          | ✓          | ✓          |  |

|                               |                         |          |   |
|-------------------------------|-------------------------|----------|---|
| <b><i>Index of Claims</i></b> | Application/Control No. |          | Applicant(s)/Patent Under Reexamination |
|                               | 10632392                |          | MORAES ET AL.                           |
| Examiner                      |                         | Art Unit |   |
| Neil R Kardos                 |                         | 3623     |   |

|   |          |   |            |   |              |   |          |
|---|----------|---|------------|---|--------------|---|----------|
| ✓ | Rejected | - | Cancelled  | N | Non-Elected  | A | Appeal   |
| = | Allowed  | ÷ | Restricted | I | Interference | O | Objected |

| CLAIM |          | DATE       |            |            |            |  |
|-------|----------|------------|------------|------------|------------|--|
| Final | Original | 05/30/2008 | 06/26/2009 | 01/16/2010 | 07/21/2010 |  |
|       | 253      | ✓          | ✓          | ✓          | ✓          |  |
|       | 254      | ✓          | ✓          | ✓          | ✓          |  |
|       | 255      | ✓          | ✓          | ✓          | ✓          |  |
|       | 256      | ✓          | ✓          | ✓          | ✓          |  |
|       | 257      | ✓          | ✓          | ✓          | ✓          |  |
|       | 258      | ✓          | ✓          | ✓          | ✓          |  |
|       | 259      | ✓          | ✓          | ✓          | ✓          |  |
|       | 260      | ✓          | ✓          | ✓          | ✓          |  |
|       | 261      | ✓          | ✓          | ✓          | ✓          |  |
|       | 262      | ✓          | ✓          | ✓          | ✓          |  |
|       | 263      | ✓          | ✓          | ✓          | ✓          |  |
|       | 264      | ✓          | ✓          | ✓          | ✓          |  |
|       | 265      | ✓          | ✓          | ✓          | ✓          |  |
|       | 266      | ✓          | ✓          | ✓          | ✓          |  |
|       | 267      | ✓          | ✓          | ✓          | ✓          |  |
|       | 268      | ✓          | ✓          | ✓          | ✓          |  |